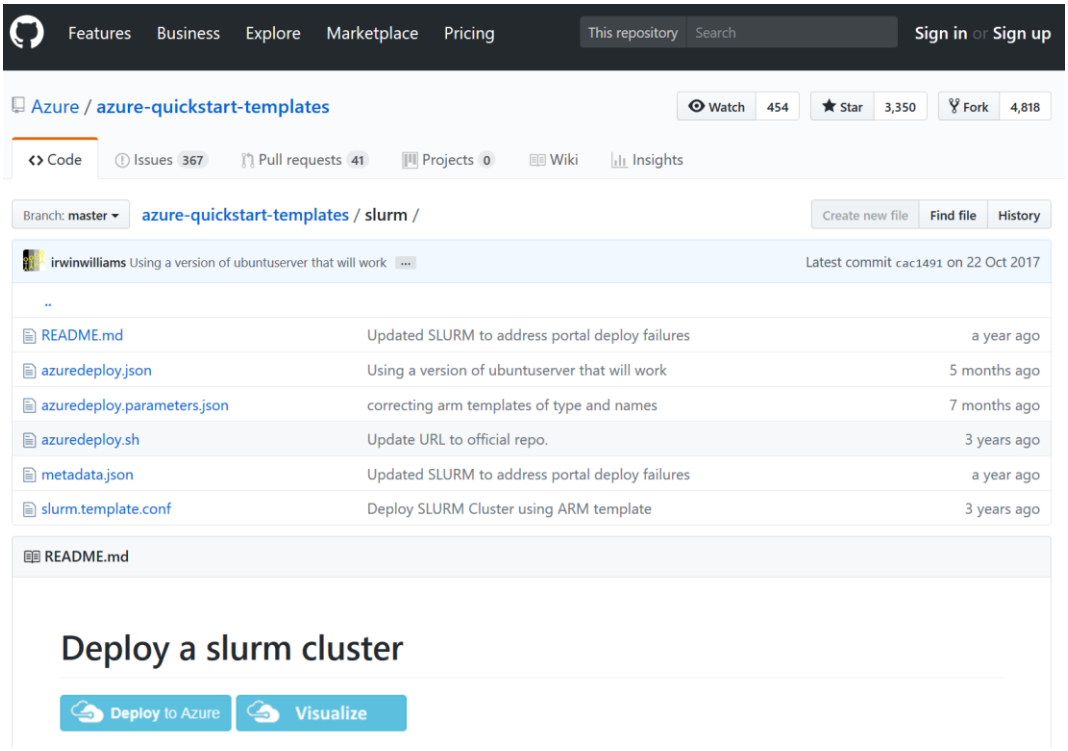
Exercise 1: Deploy a SLURM cluster from ARM template

Duration: 15 minutes

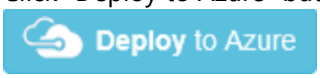
In this exercise, using ARM template from public Azure Github repository you will deploy a simple cluster with SLURM scheduler.

1. Open SLURM repository in Github Azure Quickstart Templates page: https://github.com/Azure/azure-quickstart-templates/tree/master/slurm

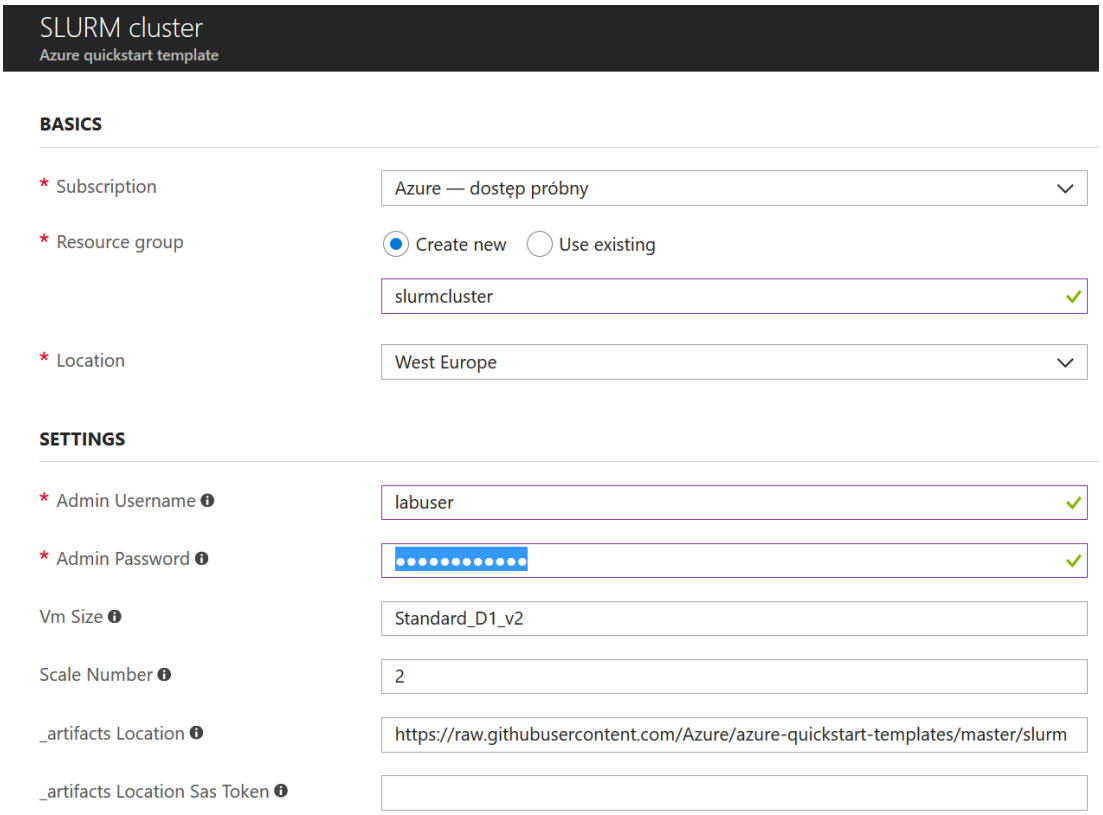


   You may want to explore the repository content to find out how ARM template deployment works internally.

2. Click “Deploy to Azure” button:

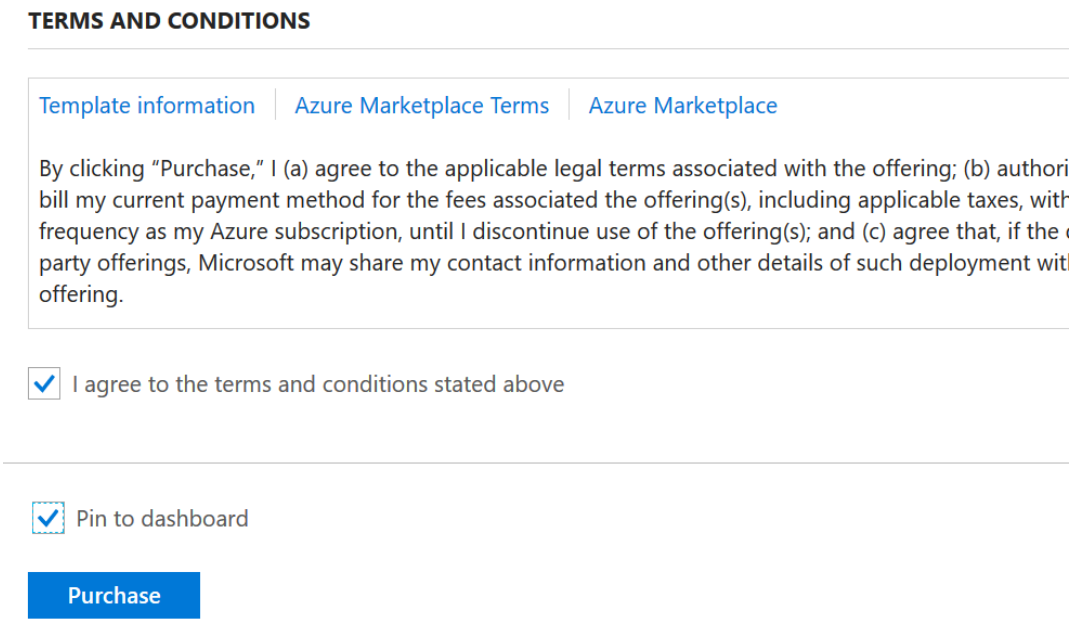


3. Fill out the Azure quickstart template deployment form that will open in your Azure portal account:

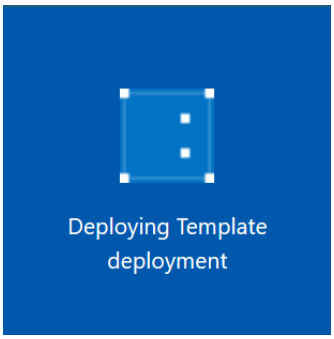


For **Subscription** select your Azure trial subscription.
For **Resource group** select **Create new** and provide a name, e.g. **slurmcluster**
For Location select e.g. West Europe.
Provide admin username (e.g. labuser) and password.
Leave the rest of the fields with their default values.

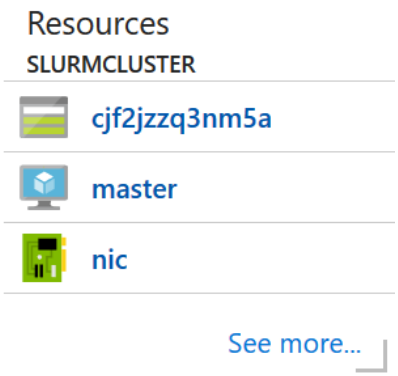
4. Check the "I agree the terms and conditions stated above" and "Pin to dashboard" checkboxes and click "Purchase":



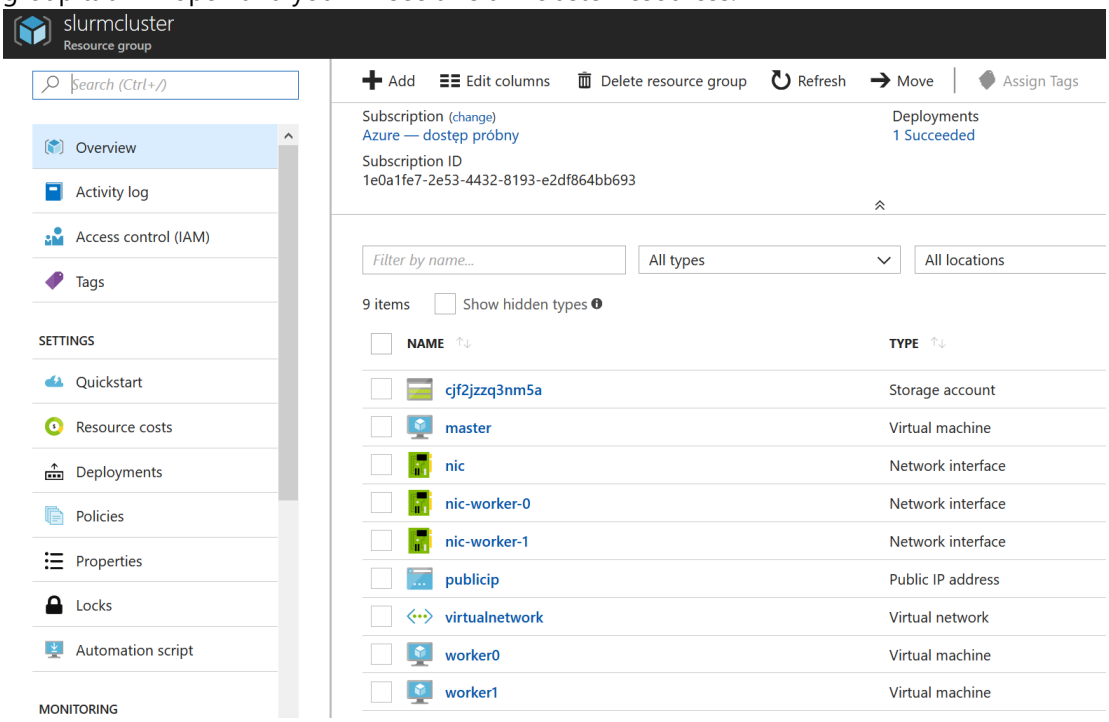
Deployment of your SLURM cluster will now be taking place, marked by "Deploying Template deployment" icon in your Azure portal dashboard:



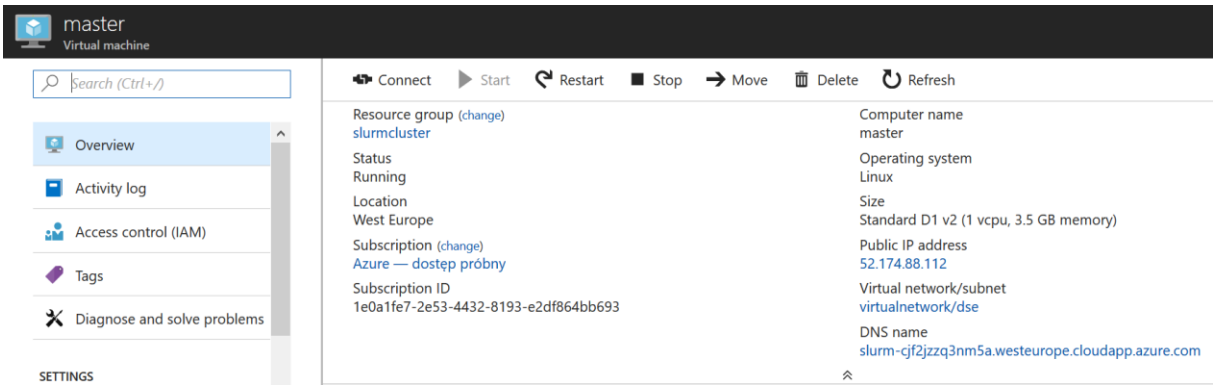
It will take 5-7 minutes for the deployment to finish.
After the deployment is finished you will see the **slurmcluster** resource group tab in the portal dashboard:



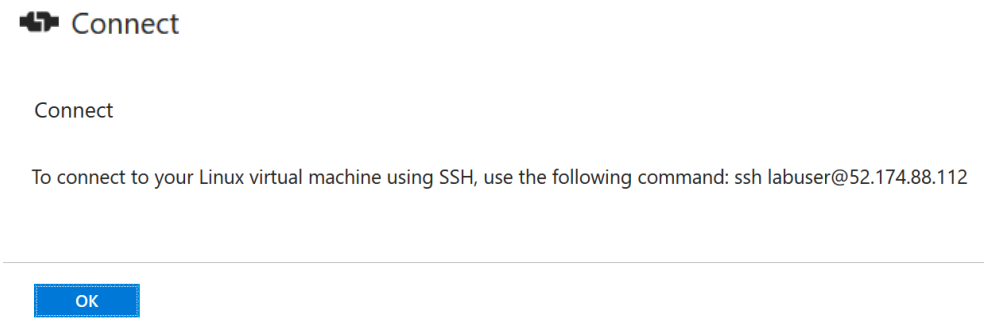
5. Open the **slurmcluster** resource group tab by clicking on "See more". **slurmcluster** resource group tab will open and you will see all slurmcluster resources:



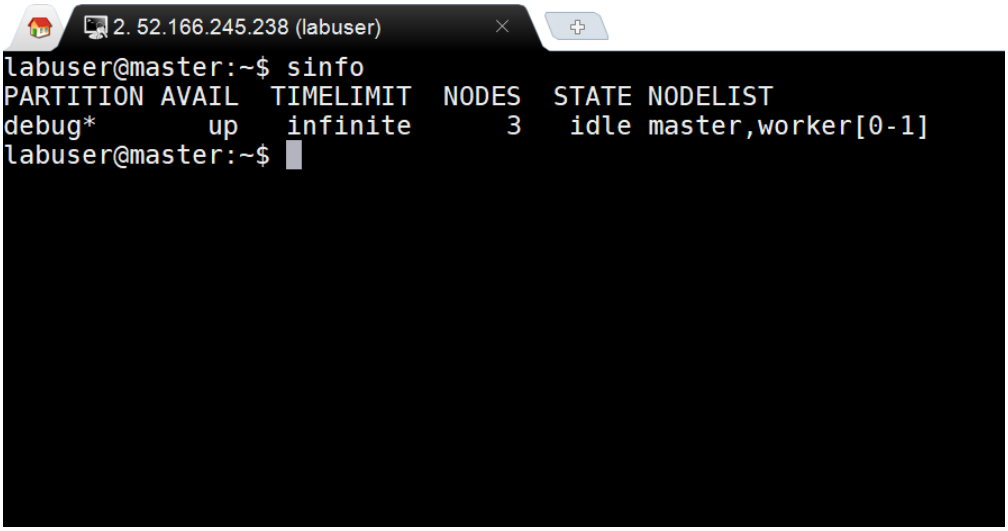
6. Click on **master** Virtual machine icon to open its tab:



On the **master** VM tab you will see connection information for the SLURM cluster master node: public IP address and DNS name.
You may also click on Connect button to see the SSH login command:



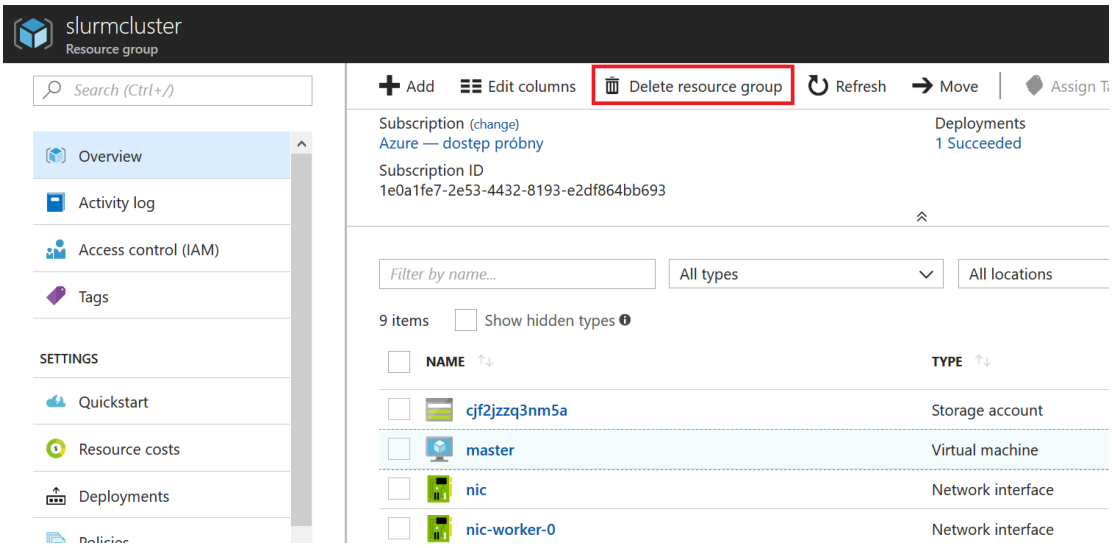
7. Login to master node using your SSH client and enjoy using your SLURM cluster!
$ sinfo



Step 5: Clean up resources

8. As the last step of the exercise clean up the SLURM cluster by deleting the resource group:

   Click "**Delete resource group"** button on the **slurmcluster** resource group tab:



Confirm the operation by typing the resource group name “slurmcluster” to the form field and clicking **Delete** button: